

TITLE: Oleanolic acid-lactose conjugate, its preparation and Application

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#### ABSTRACT

The title compound is prepared three steps from 6-[[[(3.beta.)-3-hydroxy-28-oxoolean-12-en-28-yl]amino]-hexanoic acid

Me ester. The oleanolic acid-3-O-beta-lactoside may be used for treating diabetes mellitus.

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TITLE: Antioxidation effect of **berberine** on  
non-insulin dependent **diabetes** mellitus of  
rat

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CORPORATE SOURCE: Shanghai Coll. Tradit. Chin. Med., Shanghai, 200032,  
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AB In non-insulin-dependent **diabetic** rats, **berberine**  
significantly inhibited hyperinsulinemia and ameliorated the abnormalities  
in glucose tolerance and lipid metabolism **Berberine** also decreased  
lipid peroxide content and increased superoxide dismutase activity in  
liver. These results suggest that **berberine** has marked  
antioxidant activity and thus inhibits metabolic disorders resulted from  
oxidative damage.